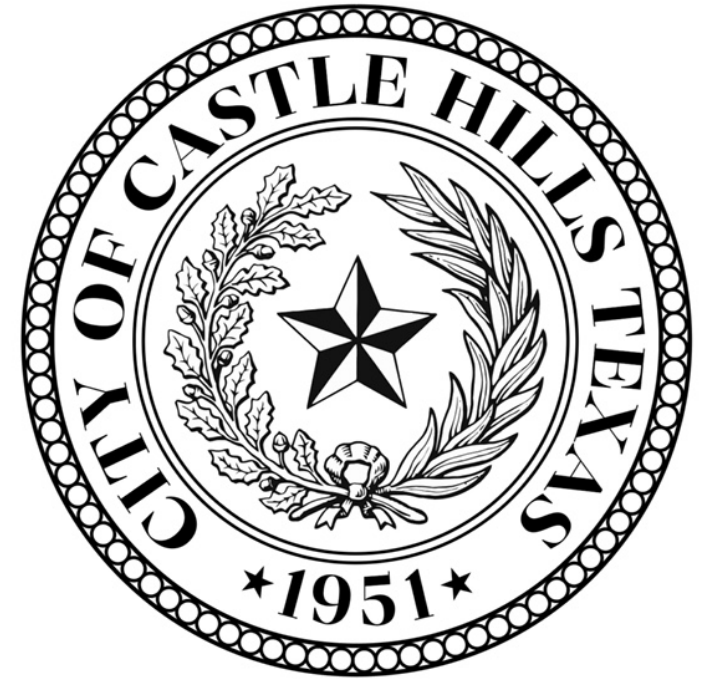


Capital Improvement Projects FY 24 -26 Streets & Drainage Infrastructure Projects

May 21, 2024
City of Castle Hills



Capital Projects Overview

- Phase II – Banyan/Carolwood Drainage ✓
- Phase III - Street Improvements ✓
- Street Reconstruction Category – CIP - \$7M Complete/4 Years
- FY 24 - FY 26 Capital Projects – Streets & Drainage



■ Roadway Summary \$3,456,254

The project consists of full depth roadway reconstruction, limited driveway and curb reconstruction, addition of signage and City utility adjustments as required.

Roadway Project #1

Street(s): Roletto Dr.

Project Limits: The project limits will be S Gardenvue Dr to NW Loop 410 Acce

Length of Roadway: 480.19 ft

Construction Cost: estimated at \$205,057



Roadway Project #2

Street(s): Dandelion Ln

Project Limits: The project limits will be Travertine Ln to Phlox Ln

Length of Roadway: 400.87 ft

Construction Cost: estimated at \$136,737



Roadway Project #3

Street(s): Lundblade Ln

Project Limits: The project limits will be Lundblade Ln to Lundblade Ln

Length of Roadway: 899.53 ft

Construction Cost: estimated at \$306,830.00



Roadway Project #4

Street(s): Cotillion Dr

Project Limits: The project limits will be Shalimar Dr to Jackson-Keller Rd

Length of Roadway: 525.05 ft

Construction Cost: estimated at \$52,090.00



Roadway Project #5

Street(s): Cotillion Dr

Project Limits: The project limits will be from Wottlin Rd to Shalimar Dr

Length of Roadway: 525.05 ft

Construction Cost: estimated at \$358,190.00



Roadway Project #6

Street(s): Peg Sue Ct

Project Limits: The project limits will be from Lockhill-Selma to the Cul-de-sac

Length of Roadway: 132.13 ft

Construction Cost: estimated at \$45,070



Roadway Project #7

Street(s): Phlox Ln

Project Limits: The project limits will be Dandelion Ln to Gladiola Ln

Length of Roadway: 404.19 ft

Construction Cost: estimated at \$137,870



Roadway Project #8

Street(s): Parade Dr

Project Limits: The project limits will be from Blanco Rd to Danube Dr

Length of Roadway: 1,016.76 ft

Construction Cost: estimated at \$346,817



Roadway Project #9

Street(s): Persimmon Dr.

Project Limits: The project limits will be Lemonwood Dr to Caladium Dr.

Length of Roadway: 640.59 ft

Construction Cost: estimated at \$218,505



Roadway Project #10

Street(s): Glentower

Project Limits: The project limits will be from Lockhill-Selma to Banyan Dr. in conjunction with the drainage project which includes adding storm sewer and inlets.

Length of Roadway: 1,755.95 ft

Construction Cost: estimated at \$795,644



Roadway Project #11

Street(s): North Manton

Project Limits: The project limits will be from NW Military Hwy to Lockhill Selma Rd excluding the project limits of the North Manton Drainage project which upgrades the low water crossing.

Length of Roadway: 1,334.03 ft

Construction Cost: estimated at \$380,103

Roadway Project #12

Street(s): Carolwood

Project Limits: From Banyan East approx. 650' reconstruct the reverse crown section continuing from Banyan Phase II project installing curb and gutter.

Length of Roadway: 650'

Construction Cost: estimated at \$473,242.00

Capital Improvements Street Projects FY 24

Drainage Summary \$3,554,903

The project consists of construction of drainage channel(s), installation of box culverts and inlets, roadway reconstruction, driveway and curb reconstruction, utility adjustments as required.

Drainage Project #1 - Design in Progress

Street(s): Mimosa/Krameria

Project Limits: The project limits include channel reconstruction east of Mimosas to West Ave including installing box culverts at the Mimosa and Krameria crossings.

Construction Cost: estimated at \$1M

Drainage Project #2 - Design Complete

Street(s): North Manton

Project Limits: The project limits include installing a box culvert at the North Manton low water crossing and reconstruction of retaining walls, driveways and regrading of ditches.

Construction Cost: estimated at \$564,202

*Drainage Project #3 - Design Complete

Street(s): Carolwood

Project Limits: Continue the storm drain installed in Banyan Phase II to Lockhill-Selma and reconstruction of the street.

Construction Cost: estimated at \$2.7M

* Partnership with City of San Antonio & Bexar County. \$1.8M



Capital Improvements
Drainage Projects –
FY 24

Capital Improvements Projects – Streets

PHASE III – STREET IMPROVEMENTS

The City of Castle Hills contracted Ardurra Group, Inc to design the street reconstruction project. RL Jones recently finished nine reconstructed streets as part of phase III in March. **Funded through 2023 Certificate of Obligations**

The streets which have been reconstructed:

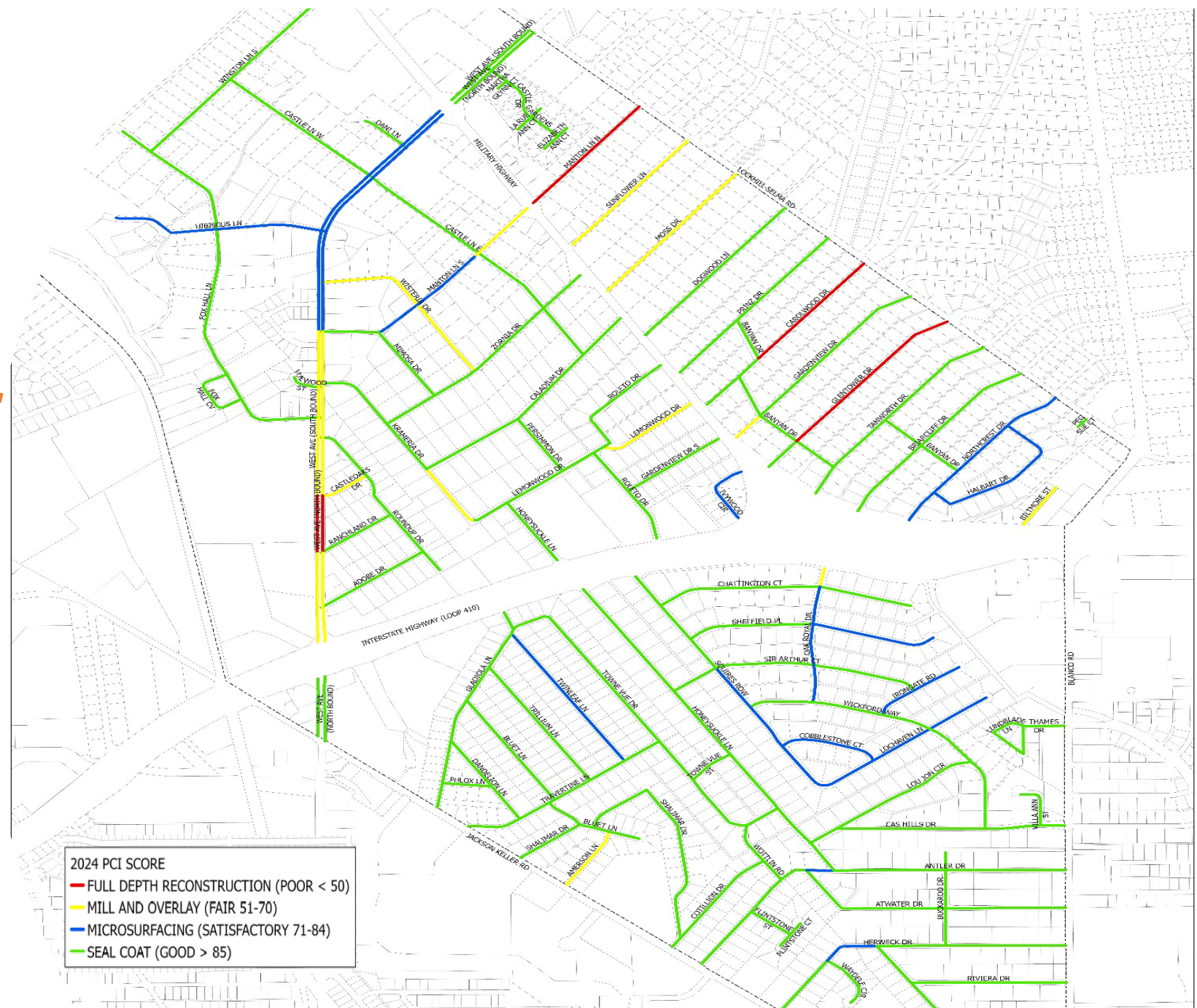
- ***Roleto Drive from Lemonwood to NW Loop 410***
- ***Peg Sue Court***
- ***Dandelion Lane from Travertine to Phlox***
- ***Lundblade Lane***
- ***Phlox Lane***
- ***Parade Drive***
- ***Persimmon Drive from Caladuim to Lemonwood***
- ***Cotillion – Shalimar to Jackson Keller***
- ***Cotilion – Wottlin to Shalimar***

**** Glentower under construction, scheduled to be complete in early July***



Capital Improvements Projects – Streets

- ***Street PCI scores were recently completed - 85.6% Castle Hills Streets are classified as satisfactory or good – will only increase once we complete Glentower, North Manton and Carolwood.***
- ***When the CIP was developed in the Fall of 2018, it indicated that only 22% of the streets were in “Good Condition.”***
- **The CIP also revealed 50% of all the streets in Castle Hills were in the “Reconstruction Category” and now this number is only 3.2%.**



Capital Improvements Projects – Streets and Drainage

North Manton



PHASE IV – STREET & DRAINAGE IMPROVEMENTS

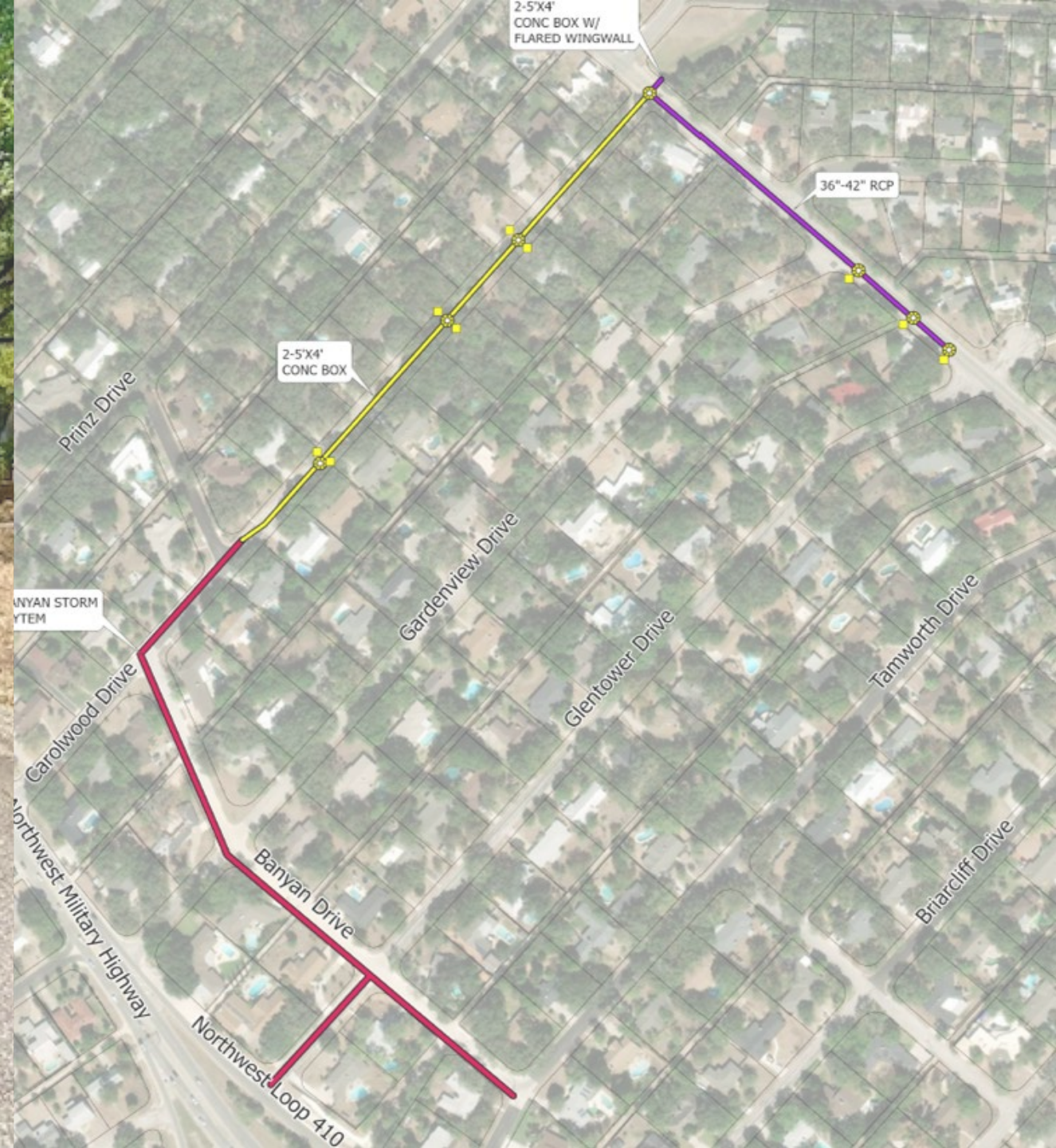
- Final phase will consist of street reconstruction with potential drainage components.
- Two streets – Carolwood and North Manton, design is complete and will look to bid in July/August. This will close out the reconstruction category for residential streets in the CIP. **Funded through 2023 Certificate of Obligations.**
- The City of Castle Hills will receive \$850K from the City of San Antonio and \$1M from Bexar County for Drainage Improvements for Lockhill-Selma/Carolwood.
- The City of San Antonio provided “in-house” drainage improvements to Lockhill-Selma near Glentower. The new drainage inlet has already been installed.
- The proposed work on Carolwood will also include a storm drain connection to the existing COSA drainage basin on the north side of the Lockhill-Selma Road intersection.



Carolwood and Lockhill Selma Drainage Improvements

-Phase III Carolwood Drainage Improvements will tie into the completed phases Banyan/Carolwood I and II

--Carolwood Drainage Funds had already been established in the 2023 COs – Drainage \$573K (205 to 215 Carolwood) & Streets \$475K (205 to 215 Carolwood) – Additional Funds from Bexar County provide funding to extend to Lockhill-Selma



Capital Improvement Projects FY 24 – Next Steps

- Phase IV would involve drainage and streets projects, bid process would be done July/August.
- Drainage Projects – **\$3.5 Million**
 - Carolwood Extension to Lockhill Selma **\$3M; (partnership with COSA & Bexar County)(\$1.8M) for drainage improvements on Lockhill-Selma.**
 - North Manton Drainage Improvements – **\$564K**
- ❖ The completion of Glentower, Carolwood and North Manton closes out the full-depth category in our CIP
- ❖ Next year, summer of 2025, all street reconstruction in the City's CIP will have been completed - \$10M



Street Projects FY 24

City of Castle Hills

FY 2024

Street Maintenance Program

Micro-Surfacing:

Streets:

- Northcrest Dr. from NW Military Hwy to Lockhill-Selma Rd.
- Halbart Dr. from Northcrest Dr. to Northcrest Dr.
- Twinleaf Ln. from Gladiola Ln. to Travertine Ln.

Budget:

\$30,965.83

\$26,612.23

\$28,198.19

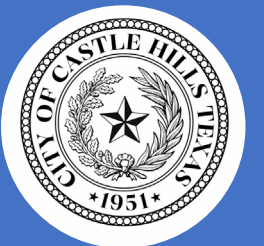
Estimated Construction Budget:

\$85,776.25

FY 2024 Total Construction Budget:

\$85,776.25

*Est. does not include engineering or supporting services.



Street Projects FY 25



City of Castle Hills

FY 2025

Street Maintenance Program

Micro-Surfacing:

Streets:

- Hibiscus Ln. from West Ave. to End of Pavement.
- S. Manton Ln. From E. Castle Ln. to Mimosa Dr.
- Antler Dr. from Honeysuckle Ln. to Atwater Dr.
- Herweck Dr. from Danube Dr. to Waydele Cir.
- Cobblestone Ct. from Lochaven Ln. to Squires Row
- Irongate Rd. from Wickford Way to Cul-de-sac
- Oak Royal Dr. from Wickford Way to Chattington Ct.
- West Ave. from Mimosa Dr. to NW Military Hwy

Budget:

\$31,096.89
\$20,438.83
\$3,996.28
\$8,382.04
\$14,620.63
\$14,323.42
\$21,117.25
\$213,298.64

Estimated Construction Budget:

\$327,273.98

Mill & Overlay

Streets:

- Amerson Ln. from Bluet Ln. to Jackson-Keller Rd.
- Castle Oaks Dr. from Roundup Dr. to West Ave.
- Lemonwood Dr. from Roletto Dr. to NW Military Hwy

Budget:

\$108,131.18
\$71,222.77
\$145,172.68

Estimated Construction Budget:

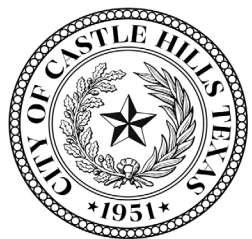
\$324,526.62

FY 2025 Total Construction Budget:

\$651,800.60

*Est. does not include engineering or supporting services.

Street Projects – West Avenue FY 25 - FY26



Future Phase

West Ave. Improvements Project

Full Depth Reconstruction:

Streets:

- West Ave. from Ranchland Dr. to Castle Oaks Dr.

Budget:

\$1,359,016.69

Estimate Full Depth Repair Construction Budget:

\$1,359,016.69

Mill & Overlay

Streets:

- West Ave. from NW Loop 410 Access Rd. to Ranchland Dr.
- West Ave. from Castle Oaks Dr. to Mimosa Dr.

Budget:

\$708,818.03

\$1,304,405.17

Estimate Mill & Overlay Construction Budget:

\$2,008,223.19



Future Street Projects FY 26 and Beyond

City of Castle Hills

FY 2026

Street Maintenance Program

Mill & Overlay

Streets:

- Sunflower Ln. from Lockhill-Selma rd. to NW Military Hwy
- Krameria Dr. from Lemonwood Dr. To Caladium Dr.
- Gardenview Dr. from Banyan Dr. to NM Military Hwy
- S. Manton Ln. from NW Military Hwy to E. Castle Ln.
- Moss Dr. from Lockhill-Selma Rd. to NW Military Hwy

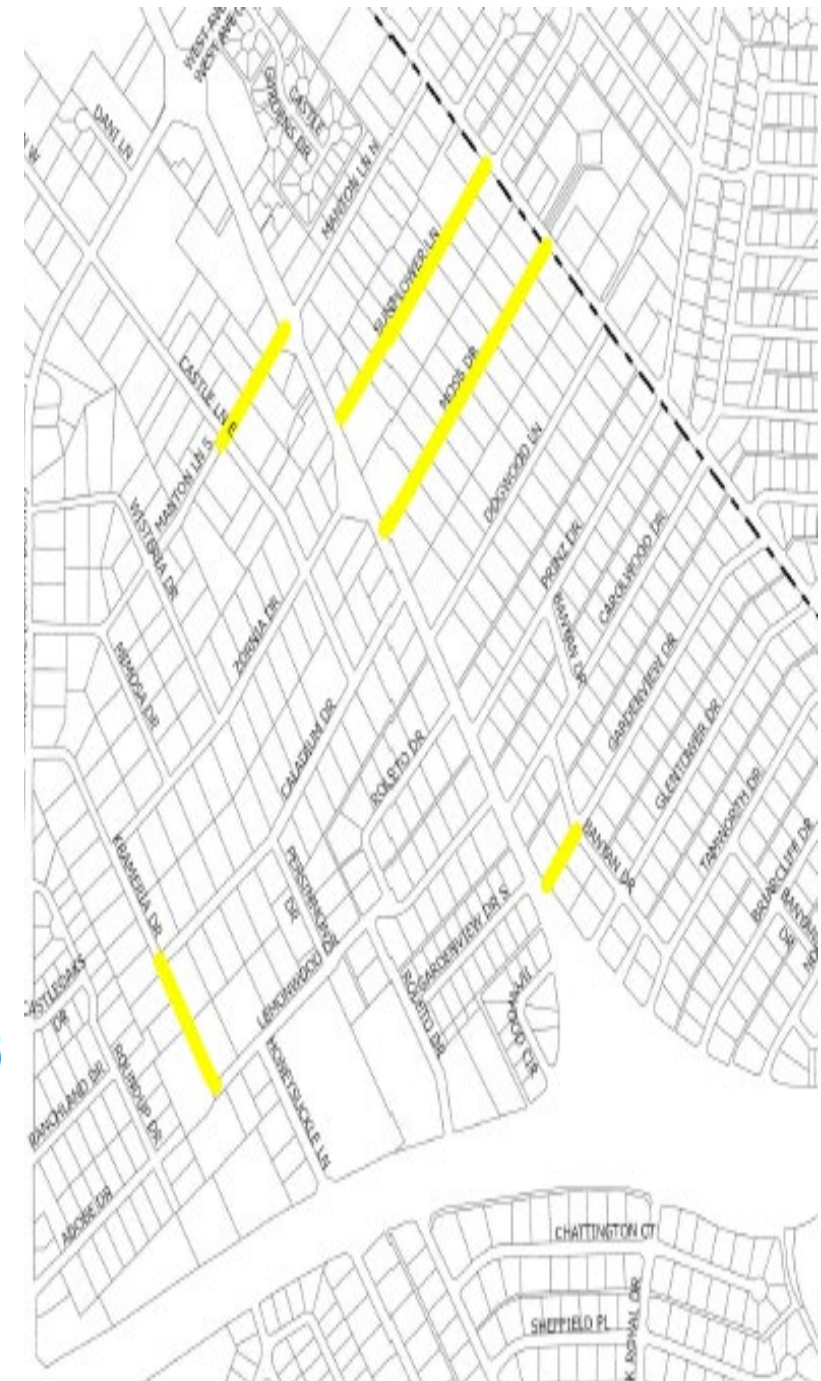
Budget:

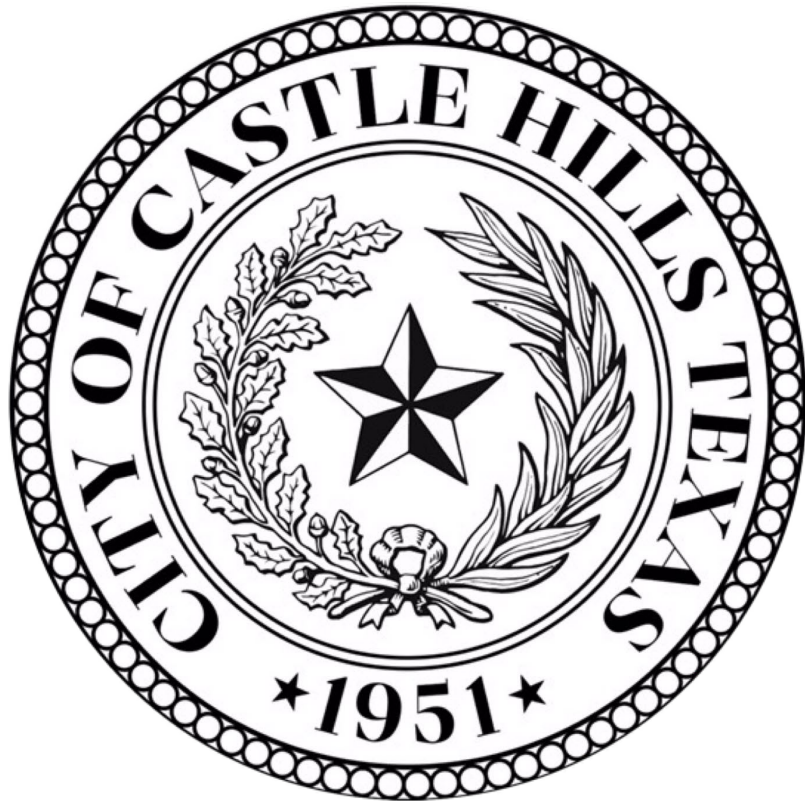
\$235,336.21
\$107,037.25
\$48,854.52
\$111,200.63
\$264,418.22

FY 2025 Total Construction Budget:

\$766,846.83

*Est. does not include engineering or supporting services.





Questions

